NEW PRODUCT

NEC-GXE-xx-01
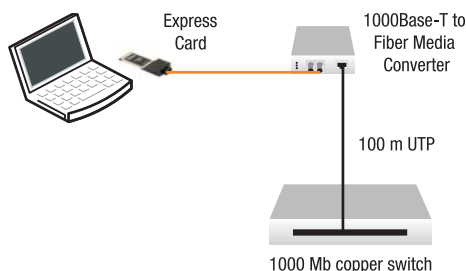
Gigabit Ethernet PCIe ExpressCard Fiber Adapter

Gigabit ExpressCards provide a 1000Base-X fiber port for delivering fiber optic connectivity to laptop computers in high security, fiber rich LAN environments. This small sized fiber card is specifically designed to plug into laptop computers equipped with an ExpressCard compliant slot. The card includes a single LED located on top of its plastic cover indicating link and activity status. Extensive Network Operating System drivers are provided, easing installation and configuration. Preboot Execution Environment (PXE) and Bootstrap Protocol (BOOTP) are also supported.

Features

‣ Complies with ExpressCard/34 standard

‣ IEEE 802.3az Gigabit Ethernet

‣ Full-duplex design

‣ Options for SC or LC fiber connectors

‣ Options for multimode or single mode fiber

‣ Driver support for wide variety of operating systems, Windows 7, XP, Vista, 2008

‣ Integrated support for PXE remote boot

‣ Supports Jumbo Frames up to 9K bytes

‣ Supports Wake-on-LAN (WoL) with optional power adapter

Applications

Express Card

1000Base-T to Fiber Media Converter

100 m UTP

1000 Mb copper switch

Specifications

Standards	IEEE 802.1Q VLAN Tagging IEEE 802.1P Priority Encoding IEEE 802.3u IEEE 802.3x ExpressCard Compliant
Card Slot	ExpressCard/34 26-pin connector
Data Transfer Rate	1000 Mbps, 1,488,000 pps
Status LEDs	L/A - On = communication link Flashing = Activity on link
LAN Drivers	Windows 7, XP, Vista, 2008 Server
Dimensions	**Length:** 5.04 inches [128 mm] **Width:** 1.34 inches [34 mm] **Height:** 0.19 inches [5 mm]
Shipping Weight	1.0 lbs
Power consumption	3.3 Watts
Environment	0º - 50º C 5% - 90% humidity non-condensing 0 – 10,000 ft. altitude
Compliance	FCC Part 15 Class B, CE Mark
Warranty	Lifetime

Ordering Information

NEC-GXE-SC-01
 1000BASE-SX/LX ExpressCard
 850nm multimode (SC)
 [62.5/125 µm fiber: 220 m/722 ft.]
 Link Budget: 7.5 dB
 [50/125 µm fiber: 550 m/1804 ft.]
 Link Budget: 7.5 dB

NEC-GXE-LC-01
 1000BASE-SX/LX ExpressCard
 850nm multimode (LC)
 [62.5/125 µm fiber: 220 m/722 ft.]
 Link Budget: 7.5 dB
 [50/125 µm fiber: 550 m/1804 ft.]
 Link Budget: 7.5 dB

NEC-GXE-SC10-01
 1000BASE-SX/LX ExpressCard
 1310nm single mode (SC)
 [10 km/6.2 mi.] Link Budget: 10.5 dB

NEC-GXE-LC10-01
 1000BASE-SX/LX ExpressCard
 1310nm single mode (LC)
 [10 km/6.2 mi.] Link Budget: 11.5 dB

NEC-GXE-LC20-01
 1000BASE-SX/LX ExpressCard
 1310nm single mode (LC)
 [20 km/12.4 mi.] Link Budget: 15.0 dB

NEC-GXE-WOL
 Wake-on-LAN (WOL) accessory kit

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